

Amendments to the Specification:

Please replace the abstract at page 10 of the application with the following:

ABSTRACT

A sample chip analyzing device includes a waveguide plate which entirely reflects and guides incident light and has a number of sampling probes that are connectable to a sample to be analyzed, a light source which irradiates fluorescent pumping light onto an end face of an end portion of the waveguide plate that is inserted into a light-shielding box, and a pickup member which picks up an image of substantially an entire surface of the waveguide plate. The sample to be analyzed is labeled with fluorescent substances that are fluorescence-pumped by an evanescent wave which occurs when the fluorescent pumping light enters into an interior of the waveguide to be entirely reflected and guided, and the sample is analyzed by detecting respective ones of the sampling probes that are coupled to the fluorescence-pumped fluorescent substances of the labeled sample, based on data outputted by the pickup member.